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**Wee et al.**

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(54) **WATERPROOF STRUCTURE FOR  
PORTABLE TERMINAL**

(56) **References Cited**

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USPC ..... **361/752**; 174/152 R; 174/152 G

(58) **Field of Classification Search**

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See application file for complete search history.

(57) **ABSTRACT**

A waterproof structure for a portable terminal including a flexible printed circuit (FPC) extending outside of a first housing of a pair of housings from inside the first housing and arranged inside of a second housing of the pair of housings. A wiring hole is formed in each housing to provide a path allowing passage of the FPC therethrough. A waterproof member provided in the wiring hole substantially contacts at least inner walls of the housings and an outer circumferential surface of the FPC to prevent movement of the FPC. An outer circumferential surface of the waterproof member substantially contacts a circumference of an inlet of the wiring hole or an inner wall of the wiring hole. The waterproof member is provided between the housing of the portable terminal and the FPC improving a waterproof function and preventing moisture or water from being introduced into the housing of the terminal.

**21 Claims, 21 Drawing Sheets**

